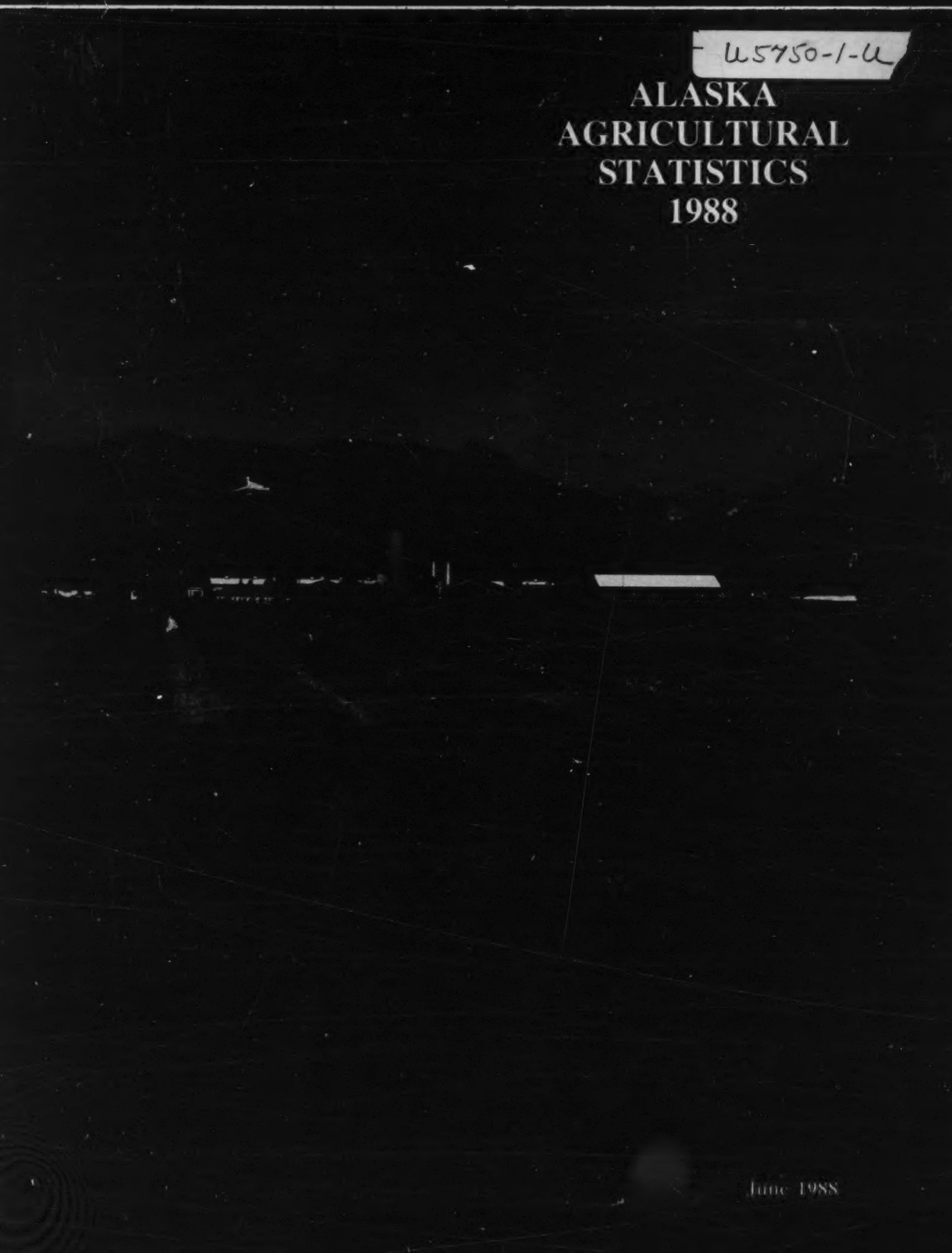
U5750-1-U

ALASKA AGRICULTURAL STATISTICS 1988



June 1988

CHECKED AREAS ON THE MAP SHOW THE LOCATION OF THE MAJOR AGRICULTURAL ACTIVITIES IN THE STATE. THE NUMBERS DESIGNATE THE AGRICULTURAL STATISTICS DISTRICTS.

1 TANANA VALLEY
2 MATANUSKA VALLEY
3 KENAI PENINSULA
4 SOUTHEAST
5 SOUTHWEST

ALASKA AGRICULTURAL STATISTICS
1988

COMPILED BY

ALASKA AGRICULTURAL STATISTICS SERVICE

DeLon A. Brown
State Statistician

P. O. Box 799
Palmer, Alaska 99645
Phone: (907) 745-4272

Janey Wineinger
Statistical Assistant

Marge Burgess
Administrative Clerk

ISSUED COOPERATIVELY BY

U.S. DEPARTMENT OF AGRICULTURE
NATIONAL AGRICULTURAL STATISTICS SERVICE
Charles E. Caudill
Administrator
Phone: (202) 447-2707

UNIVERSITY OF ALASKA
AGRICULTURAL & FORESTRY
EXPERIMENT STATION
James V. Drew
Director
Phone: (907) 474-7305

AND

ALASKA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF AGRICULTURE
Mark Weaver
Director
Phone: (907) 745-7200

UNIVERSITY OF ALASKA
COOPERATIVE EXTENSION SERVICE
Irv Skelton
Acting Director
Phone: (907) 474-7246

National Agricultural Statistics Service
Fact Finding for Agriculture

STATE OF ALASKA

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF AGRICULTURE

STEVE COWPER, GOVERNOR

P.O. BOX 949
PALMER, ALASKA 99645-0949
PHONE: (907) 745-7200

FROM THE DIRECTOR

MAY 13, 1988

As I leave the office to make room for a new Agriculture Director -- the fourth in 18 months -- those who understand the value of agriculture to this state know that something is amiss in our Government.

The Alaskan agriculture industry, one over-encouraged and over-sold by visionaries, now suffers from stigma and neglect. When political leadership will devote neither time nor effort to understanding the economic significance of Alaskan farms, nurseries and greenhouses -- when it refuses to recognize and account for the public interests that are served by the production of food and plant materials for local consumption -- it is not just farmers who are betrayed, but the Alaska public as well.

For those who know how to interpret agricultual statistics, last year's figures tell a story worth knowing. Even as our state economy has shrunk, the value of local farm production has increased. Alaska grown products replaced almost 30 million dollars of food and plant imports last year. These dollars were earned here and have stayed here. Without Alaskan farmers, those dollars would have long since departed.

This progress is a tribute to the human resources of this State, to growers and business people who have had the drive, the innovation, the spirit of entrepreneurship necessary to succeed in agricultural enterprise. It also is a portent of what could be accomplished if the government of this state would choose to invest the miniscule quantity of management skills needed to protect the agricultural land base, to provide simple research, inspection and marketing services, and to stabilize its agricultural lending systems.

The message is clear. The farm sector has a job to do. Having been failed by political leadership, it must educate those to whom that leadership is responsible. Yet we must recognize our limitations, and must be careful to distinguish our private interests from those who deserve public attention and public investment. We need to establish credibility, and use it to gain understanding and support from people of influence who are not themselves farmers.

The unwillingness of administrators to manage responsibility, the agricultural resources of Alaska is no longer a farm issue. It is a public liability, a needless waste, a problem that the people of this state would be well advised to correct.

If this is to happen, farmers must become teachers as well as growers. I hope you will join me in that effort.

Mark Weaver

-- Mark Weaver

TABLE OF CONTENTS

PAGE

GENERAL:

Introduction.....2
Alaska Reports Available.....2
Farm Commodity Cash Receipts.....3
Value of Production 4
Historical Prices Received 5
Farm Balance Sheet.....6
Farm Gross & Net Income.....6
Agricultural Commodities Produced...7
Livestock & Poultry on Farms.....8
Farm Numbers and Land in Farms.....8
Fertilizer Consumption.....9
Consumption of Fertilizer & Plant Nutrients.....9
Railbelt Horticulture Industries Survey.....10 & 11

CLIMATOLOGICAL DATA:

1987 Crop & Weather Reveiw.....12
Precipitation.....13
1987 Temperatures.....14
Historical Temperatures.....15
Growing Degree Days.....16

CROPS:

1987 Crop Summary.....17
Cropland Utilization 1982.....18
Cropland Utilization 1987.....19
Barley.....20
Grain Stocks 20
Oats.....21

PAGE

CROPS: (Continued)

Mixed Grains.....21
Grain & Grass Hay.....22
All Hay.....23
Grain & Grass Silage.....24
All Silage.....25
Potatoes.....26
Potato Production, Disposition & Average Price.....26
Potato Stocks.....27
Other Vegetables & Carrots.....27
Lettuce & Cabbage.....28
Harvested Crop Acres 29

LIVESTOCK & POULTRY

1987 Livestock & Poultry Summary...30
Meat Production.....31
Cattle on Farms.....32
Cattle on Farms.....33
Calf Crop.....34
Pig Crop.....34
All Hogs.....34
Sheep, Lambs, Wool & Mutton.....35
Milk Production (By Months).....36
Milk Production & Value.....36
Eggs.....37
Poultry on Farms.....38
Poultry Production.....38
Egg Production (by months).....Back Cover
Reindeer.....Back Cover

==========

PHOTO CREDITS:

All Photos: Alaska Agricultural Statistics Staff
Back Cover: Logo from State Division of Agriculture

==========

ALASKA
AGRICULTURAL
STATISTICS
SERVICE

UNITED STATES
DEPARTMENT OF AGRICULTURE
National Agricultural Statistics Service

P.O. BOX 799
PALMER, ALASKA 99645
(907) 745-4272

The Alaska Agricultural Statistics Service is an agency formed by the cooperative function of the Alaska Division of Agriculture, Agricultural and Forestry Experiment Station, Cooperative Extension Service and the National Agricultural Statistics Service, United States Department of Agriculture. These agencies have provided the necessary funding for more complete and detailed reporting of agriculture information in this year's "Alaska Agriculture Statistics 1988", the 27th annual publication dating back to 1960.

The data presented in this bulletin were developed from monthly, quarterly and annual surveys conducted through the year by this office. The estimates for 1987 are preliminary. Revisions made in this publication were based on new information made available since the original estimates were prepared.

In 1862, when USDA was established by Abraham Lincoln, he called it "the People's Department." A year later, the first crop and livestock reports were issued because of price and speculation and lack of information about food and feed supplies during the Civil War.

During July 1988, the USDA's National Agricultural Statistics Service will celebrate the 125th anniversary of crop and livestock reporting. U. S. Agricultural Statistics since that beginning have always served to provide farms with timely, accurate and unbiased data for decision-making, while at the same time, benefiting consumers and the industries who serve them.

This book is dedicated to the farmers and ranchers, upon whom every person depends. A special "Thank You" goes to all the farmers and individuals who voluntarily furnished all the basic facts for these reports.

The publication reference below shows which publication contains the most up-to-date area and State estimates for a particular commodity in a particular year:

Where to find Historic Estimates:

CROPS	DATE ISSUED	LIVESTOCK
1960-1969	NOV. 1973	1961-1970
1970-1974	JUNE 1978	1971-1975
1975-1978	JUNE 1981	1976-1979
1979-1982	JUNE 1985	1980-1982
1983	JUNE 1986	1983
1984	JUNE 1987	1984-1985
1985-1986	JUNE 1988	1986-1988

DELON A. BROWN
State Statistician

OTHER REPORTS AVAILABLE:

ALASKA "Farm Reporter" - Monthly
"Crop Weather" - Weekly (May to Oct)

Call us at (907)745-4272 or write for an order form to:
Alaska Agricultural Statistics Service
P. O. Box 799
Palmer, AK 99645

ALASKA FARM COMMODITY CASH RECEIPTS 1 / - SELECTED YEARS

ITEM	1967	1977	1985	1986	1987 2/
	- - - - - - - - - -		(000) Dollars		- - - - - - - -
TOTAL ALL COMMODITIES	3,929	11,713	25,206	28,064	29,473
Total Livestock Products	3,009	4,525	8,083	10,189	10,684
All Meat Animals	426	489	885	608	1,001
Cattle & Calves	350	323	552	285	765
Sheep and Lambs	12	7	13	21	13
Hogs and Pigs	64	159	320	302	223
All Dairy Products	1,867	2,814	4,214	6,141	6,791
Milk Wholesale	1,785	2,688	4,116	6,050	6,693
Milk Retail	82	126	98	91	98
All Poultry & Eggs	618	612	1,216	1,334	740
Poultry	26	12	105	47	23
Eggs	592	600	1,111	1,287	717
All Miscellaneous Livestock	98	610	1,768	2,106	2,152
Wool	98	44	10	13	13
Other Livestock 3/	NA	566	1,758	2,093	2,139
Total All Crops	920	7,188	17,123	17,875	18,789
All Feed Crops	206	1,791	2,427	1,925	2,379
Barley	63	364	557	373	442
Hay	99	1,391	1,860	1,530	1,870
Oats	44	36	10	22	67
All Vegetables	706	1,430	2,220	2,328	2,506
Potatoes	502	1,012	1,454	1,509	1,700
Miscellaneous Vegetables	204	418	766	819	806
All Other Crops	8	3,967	12,476	13,622	13,904
Greenhouse and Nursery	NA	3,800	12,049	13,150	13,248
Other Crops 4/	NA	167	427	472	656

1/ Includes cash receipts from all crop and livestock commodities in Alaska. 2/ Preliminary. 3/ Includes equine, fox, goats, honey, musk ox, reindeer and other livestock and products. 4/ Includes forest products, berries, grass seed and other field crops not mentioned above. NA - not available.

ALASKA VALUE OF PRODUCTION BY AREAS 1 / - SELECTED YEARS

YEAR	TANANA VALLEY	MATANUSKA VALLEY	KENAI PENIN.	SOUTH-EAST	SOUTH-WEST	STATE TOTAL
			Dollars			
			CROPS			
1960	560,100	1,672,600	132,100	32,300	18,900	2,416,000
1967	406,300	1,505,200	179,600	3,000	14,900	2,109,000
1977	1,109,500	3,883,500	499,000	-	14,000	5,506,000
1985	1,891,000	4,937,500	658,000	-	16,000	7,502,500
1986	1,938,500	4,780,500	536,000	-	17,000	7,272,000
1987	**3,036,800**	**4,702,200**	**503,000**	**-**	**34,000**	**8,276,000**
			LIVESTOCK AND POULTRY			
1960	448,500	2,116,800	177,500	264,200	140,000	3,147,000
1967	268,500	2,387,600	172,700	22,400	282,800	3,134,000
1977	492,800	3,421,400	102,200	12,200	255,400	4,284,000
1985	1,019,100	5,324,700	934,800	20,000	263,400	7,562,000
1986	921,800	7,435,800	897,200	29,000	271,200	9,555,000
1987	**1,047,400**	**7,970,400**	**440,200**	**27,000**	**287,000**	**9,772,000**
			TOTAL			
1960	1,008,600	3,789,400	309,600	296,500	158,900	5,563,000
1967	674,800	3,892,800	352,300	25,400	297,700	5,243,000
1977	1,602,300	7,304,900	601,200	12,200	269,400	9,790,000
1985	2,910,100	10,262,200	1,592,800	20,000	279,400	15,064,500
1986	2,860,300	12,216,300	1,433,200	29,000	288,200	16,827,000
1987	**4,084,200**	**12,672,600**	**943,200**	**27,000**	**321,000**	**18,048,000**

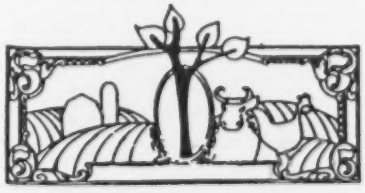
1/Includes total value of crop and livestock commodities in this bulletin except reindeer and Railbelt Horticulture. Excludes other livestock and all other crops as shown on Page 3. Dash indicates combined with others areas.

ALASKA HISTORICAL PRICES RECEIVED FOR CROPS & LIVESTOCK PRODUCTS — SELECTED YEARS

Year	Barley (Bu.)	Oats (Bu.)	All Hay (Tons)	Silage (Ton)	Potatoes (Cwt)	Eggs (Doz.)	All Milk (Cwt.)
	Dollars						
1960	2.20	1.50	73.50	20.34	6.40	0.86	10.90
1961	2.35	1.55	66.00	21.00	6.30	0.82	10.75
1963	2.05	1.45	58.00	18.50	4.35	0.82	9.85
1965	1.95	1.35	60.00	19.00	5.77	0.77	9.69
1967	1.90	1.35	55.00	16.00	4.65	0.79	10.44
1969	1.75	1.15	70.00	18.00	5.30	0.77	10.73
1971	1.85	1.40	80.00	18.00	7.00	0.85	10.85
1973	3.60	2.30	90.00	25.00	11.50	0.95	11.90
1975	4.10	2.60	130.00	35.00	12.00	1.00	16.70
1977	3.80	2.60	135.00	37.33	11.50	1.20	17.80
1979	3.00	2.65	130.00	38.47	12.30	1.25	17.50
1981	4.10	3.00	160.00	39.00	21.00	1.20	19.20
1983	3.30	3.00	180.00	44.93	17.40	1.19	22.60
1985	2.90	2.35	155.00	42.15	15.80	1.17	19.60
1987	**2.80**	**2.35**	**160.00**	**42.71**	**14.80**	**1.33**	**20.21**

ALASKA HISTORICAL PRICES RECEIVED FOR LIVESTOCK AND POULTRY — SELECTED YEARS

YEAR	ALL HOGS (HEAD)	BEEF CATTLE (CWT.)	ALL COWS (CWT.)	STEERS & HEIFERS (CWT.)	MILK COWS (HEAD)	CALVES (CWT.)	ALL SHEEP (HEAD)	ALL CHICKENS (HEAD)
	Dollars							
1961	61.00	22.00					25.40	2.31
1963	58.00	21.00					28.13	2.19
1965	44.00	19.00					26.50	2.36
1967	45.80	21.00					27.71	2.10
1969	50.90	24.20	17.70	29.60	385.00	31.70	27.59	2.27
1971	68.50	27.00	24.00	30.50	425.00	33.40	28.00	2.64
1973	74.00	39.60	34.30	43.90	531.00	34.00	30.50	3.21
1975	109.00	34.80	29.60	41.50	638.00	35.00	49.52	3.54
1977	117.00	49.00	44.00	55.00	600.00	35.00	50.00	4.46
1979	124.50	53.00	50.00	60.00	600.00	47.00	78.60	4.30
1981	140.00	66.00	47.00	74.00	840.00	65.00	87.42	5.05
1983	143.50	62.00	50.00	69.00	880.00	65.00	102.00	4.30
1985	124.50	51.00	40.00	61.00	960.00	63.00	95.00	4.40
1987	**161.50**	**66.20**	**55.00**	**69.00**	**930.00**	**73.00**	**67.50**	**4.10**



ALASKA FARM BALANCE SHEET - 1982-86

ITEM	1982	1983	1984	1985	1986 1/
	----------Million Dollars----------				
TOTAL FARM ASSETS.....	406.6	426.6	489.9	503.4	444.0
Real estate.....	306.0	315.7	327.6	304.5	225.6
Livestock/poultry.....	6.4	6.2	6.2	6.5	6.5
Machinery/motor vehicles.....	21.4	23.3	24.2	22.0	20.2
Crops	0	0	0	0	.3
Financial assets.....	72.9	83.4	131.9	170.4	191.5
TOTAL FARM DEBT 2/.....	44.1	38.0	39.1	43.7	36.5
Real estate debt.....	23.0	27.2	25.9	32.4	25.5
Nonreal estate debt.....	18.2	10.8	13.1	11.3	11.0
EQUITY.....	362.5	390.6	450.8	459.6	407.5
DEBT/ASSETS RATIO.....	10.9	8.9	8.0	8.7	8.2

1/ Data Preliminary. 2/ Excludes Alaska Agriculture Revolving Loans.
SOURCE: ECIFS 6-4.

ALASKA FARM GROSS AND NET INCOME - 1982-86

ITEM	1982	1983	1984	1985	1986 1/
	----------Million Dollars----------				
REALIZED GROSS FARM INCOME:					
Cash receipts/farm marketings...	17.6	21.6	25.2	26.1	28.6
Government payments.....	.4	.2	.2	.3	.8
Nonmoney income.....	6.1	6.7	7.4	7.2	7.2
Other farm income.....	.7	.7	.8	.9	.8
Net inventory change.....	-1.8	-1.2	-1.7	-2.1	-1.7
TOTAL GROSS FARM INCOME.....	23.0	28.1	31.9	32.3	35.7
FARM PRODUCTION EXPENSES.....	19.2	25.0	25.4	21.9	20.6
REALIZED NET FARM INCOME	3.8	3.1	6.5	10.4	15.0

1/ Data preliminary. SOURCE: ECIFS 6-4

ALASKA AGRICULTURAL COMMODITIES PRODUCED (Selected Years)

Commodity	Unit	1960	1967	1977	1985	1986	1987
				(000) Units			
CROP PRODUCTION							
OATS FOR GRAIN	Bu.	79.7	46.2	19.6	7.0	13.2	41.0
BARLEY FOR GRAIN	Bu.	87.5	75.6	126.0	278.0	207.0	220.0
ALL SILAGE	Tons	20.2	19.5	11.6	30.2	26.1	29.5
GRAIN SILAGE	Tons	15.8	14.6	3.9	25.2	18.5	18.1
GRASS SILAGE	Tons	4.4	4.9	7.7	5.0	7.6	11.4
ALL HAY	Tons	10.5	13.1	20.6	17.3	17.0	20.3
GRAIN HAY	Tons	2.5	1.9	3.5	1.7	1.8	2.2
GRASS HAY	Tons	8.0	11.2	17.1	15.6	15.2	18.1
POTATOES	Cwt.	131.4	138.0	115.0	124.0	124.0	152.0
LETTUCE 1/	Cwt.	6.2	7.5	10.6	34.5 2/	35.0 2/	33.7 2/
CABBAGE 1/	Cwt.	3.6	2.7	3.5	7.2	11.2	12.5
CARROTS	Cwt.	7.6	6.0	2.9	2.9	3.2	2.2
OTHER VEGETABLES	Cwt.	2.8	2.0	2.3	7.5	7.6	7.7
LIVESTOCK AND POULTRY PRODUCTION							
EGGS	Doz.	529.8	758.0	517.0	975.0	1,067.0	550.0
POULTRY	Lbs.	55.0	116.0	118.0	176.0	155.0	88.0
BEEF	Lbs.	357.0	963.0	522.0	1,511.0	1,199.0	1,318.0
PORK	Lbs.	151.0	148.0	195.0	469.0	457.0	240.0
MUTTON	Lbs.	12.0	40.0	24.0	34.8	60.4	34.8
WOOL	Lbs.	125.0	246.0	44.0	20.0	19.0	17.0
REINDEER	Lbs.	450.0	692.0	312.0	148.0	250.0	320.0
				Million Units			
MILK	Lbs.	20.4	18.2	16.4	22.2	31.5	34.8

1/ 1985, 1986, and 1987 Units in cartons. 2/ Head lettuce only.

ALASKA LIVESTOCK AND POULTRY ON FARMS (By Class) - SELECTED YEARS

CLASS	Jan. 1 1961	Jan. 1 1968	Jan. 1 1978	Jan. 1 1986	Jan. 1 1987	Jan.1 1988
	(000) Head					
ALL CATTLE AND CALVES	7.3	8.5	8.3	9.2	9.5	9.5
Beef Cows	1.4	2.4	2.4	2.5	2.5	2.5
Milk Cows	2.8	2.0	1.4	2.1	2.4	2.3
Heifers 500 Pounds+	1.0	1.1	1.2	1.4	1.5	1.4
Beef Cow Replacement	.4	.7	.7	.8	.7	.7
Milk Cow Replacement	.6	.4	.5	.6	.8	.7
Steers 500 Pounds +	.6	.7	.5	.4	.3	.4
Bulls 500 Pounds +	.2	.3	1.0	1.0	1.1	1.1
Calves Under 500 Pounds	1.3	2.0	1.8	1.8	1.7	1.8
ALL SHEEP AND LAMBS	15.0	27.0	6.2	3.0	2.4	2.4
Lambs	4.0	6.0	1.0	.5	.4	.5
Ewes 1 Year +	6.0	11.0	3.0	1.5	1.3	1.2
Wethers and Rams 1 Year +	5.0	10.0	2.2	1.0	.7	.7
	Dec. 1 1961	Dec. 1 1967	Dec. 1 1977	Dec. 1 1985	Dec. 1 1986	Dec. 1 1987
	(000) Head					
ALL HOGS AND PIGS	1.0	1.2	1.0	2.3	1.0	.5
Slaughter Hogs & Pigs	NA	1.0	.8	1.9	.8	.3
Breeding Hogs	NA	.2	.2	.4	.2	.2
ALL CHICKENS	42.0	51.0	28.0	66.0	58.0	6.0
HPLA	41.0	47.0	27.0	43.0	53.0	4.0
Other Chickens	1.0	4.0	1.0	23.0	5.0	2.0

NA - Not Available.

ALASKA FARM NUMBERS AND LAND IN FARMS — SELECTED YEARS

YEAR	LAND IN FARMS (000 ACRES)	TOTAL ALL FARMS	NUMBER OF FARMS CATTLE	MILK COW	CHICKENS	HOGS	SHEEP
1960	1,635	420	220	140	NA	NA	NA
1967	1,775	330	180	90	70	40	30
1977	1,670	330	140	60	80	40	10
1984 1/	1,560	650	220	70	120	70	30
1985	1,450	680	210	70	120	60	30
1986	1,410	670	190	70	110	50	30
1987	1,400	660	180	60	100	40	30

1/ From 1980 to Present farm redefined: Farms and ranches with annual sales of $1,000 or more. NA - Not Available.

ALASKA FERTILIZER CONSUMPTION (TONS) - 1986-87

MATERIAL	1986	1987 1/	MATERIAL	1986	1987 1/
	- - - - - - - - - - - Tons - - - - - - - - - - -				
NITROGEN:			COMPLETED FORMULAS (CONT'D):		
Ammonium Nitrate	250	720	14-28-14	60	-
Urea	2360	3340	16-16-16	970	390
Ammonium Sulfate	160	-	17-17-17	60	430
			18-18-18	590	2000
PHOSPHATE:			20-10-10	420	70
Ammoniated Phosphate	570	780	20-20-10	270	-
			21-7-14	30	-
POTASH:			22-4-4	150	180
Muriate of Potash	50	80	22-7-14	160	-
Other Potash	40	110	22-11-11	--	1260
	=====	=====	24-18-12	160	-
TOTAL MATERIAL	3430	5030	25-3-5	30	-
			27-18-9	65	-
COMPLETED FORMULAS:					
8-28-21	35	-	MISCELLANEOUS	160 2/	850
8-32-15	50	-		=====	=====
8-32-16	430	920	TOTAL FORMULAS	4420	6930
8-35-6	100	-			
10-6-4	30	-	TOTAL ALL		
10-20-10	130	80	FERTILIZER	7850	11960
10-20-20	220	750			
10-30-7	300	-	LIME	1250	870

1/ Survey conducted by Alaska State Division of Agriculture. 2/ Complete formulas of less than 20 tons combined with Misc.

ALASKA CONSUMPTION OF FERTILIZER AND PLANT NUTRIENTS - SELECTED YEARS

Year Ended June 30	KIND OF FERTILIZER: Mixed Fertilizer	Primary Nutrient Material	Secondary and Micro-Nutrient	Total Fertilizer
	(Tons)	(Tons)		(Tons)
1965	3,033	1,339	0	4,372
1970	3,200	1,603	5	4,808
1975	6,605	1,098	1	7,704
1980	6,445	2,155	0	8,600
1985	7,200	3,320	0	10,520
1986	4,420	3,430	0	7,850
1987	**6,930**	**5,030**	**0**	**11,960**

ALASKA RAILBELT HORTICULTURE INDUSTRIES SURVEY — 1986

The Horticulture Industry in Alaska represents a major segment of the State's agriculture industries. The vitality of the industry has a significant economic impact on much of the Railbelt while also providing many jobs. A large array of information was collected from greenhouses, landscape contractors, florists, interiorscape businesses, nurseries, and local and national garden centers.

HIGHLIGHTS

Retail sales during 1986 made up 83 percent of the total Railbelt horticulture industry sales, while the remaining 17 percent was sold at the wholesale level. Railbelt horticulture industries marketed an estimated $11.3 million worth of green plants (value based on retail sales less wholesale purchases from Alaska producers). This was 37 percent of the total gross Railbelt industry sales in 1986. Alaska grown commodities made up 72 percent of this total.

Green plants accounted for over 40 percent of the $28.1 million, 1986 Alaska Farm Commodity Cash Receipts. Value of cut and dried flowers sold totaled $3.5 million or 12 percent of the total sales.

Cut and potted flowers made up the largest individual sales category in the Railbelt followed by bedding plants for the spring and summer garden trade.

The Railbelt's commercial greenhouse operations used a total covered space of 822 thousand square feet while nurseries had an additional 256 acres devoted to growing outdoor nursery stock.

The number of paid year-round and seasonal workers in the Railbelt Horticulture Industries, totaled 1,285 in 1986. An additional 290 upaid workers were employed during the year. Wages paid totaled $9.3 million.

VALUE OF SALES AND GROWING SPACE - 1986

AREA	VALUE OF SALES 1/ GREEN PLANTS 2/	CUT & DRIED FLOWERS	NON-GREEN 3/	% ALASKA GROWN	GROWING SPACE Greenhouse (Sq. Ft) 4/	Nursery (acres)
	Thousand Dollars					
FAIRBANKS	1,225	170	830	89	144,700	27
MAT-SU	1,040	310	285	92	99,800	88
ANCHORAGE	8,200	2,890	6,725	67	512,000	114
KENAI PENIN.	785	135	295	79	65,500	27
RAILBELT	11,250	3,505	8,135	72	822,000	256

1/ Value based on retail gross sales, excludes wholesale purchases from Alaska Producers. 2/ Includes sod. 3/ Tools, chemicals, fertilizer, pots, topsoil, etc. 4/ Total covered area devoted to greenhouses in 1986 (includes area under glass, permanent plastic film and fiberglass.

VALUE OF RETAIL SALES BY COMMODITY AND AREA - 1986 1/

ITEM	FAIR-BANKS	MAT-SU	ANCHOR-AGE	KENAI PENIN.	RAIL-BELT	% OF TOTAL GREEN/CUT SALES 2/
	Thousand Dollars					- Percent-
BEDDING:						
ORNAMENTAL	380	270	2,250	3/	2,900	20
VEGETABLE	220	140	275	30	665	4
FLOWERS:						
CUT	150	300	2,670	130	3,250	22
POTTED	140	190	930	70	1,330	9
POINSETTIA	25	20	310	30	385	3
HANGING BASKET	80	85	270	60	495	3
TROPICAL FOILAGE	30	15	1,455	3/	1,500	10
TREES	135	145	790	105	1,175	8
SHRUBS	105	140	850	45	1,140	8
GREENHOUSE VEGETABLES	90	10	360	5	465	3

1/ Excludes wholesale purchases from Alaska Producers. 2/ Will not add to 100; not all commodities accounted for. 3/ Combined with Anchorage to avoid disclosure of individual operation.

EMPLOYMENT AND WAGES PAID - 1986

Area	Total Workers	Unpaid Workers	Paid Workers: Year Round	Paid Workers: Seasonal	Average No. Days (Seasonal)	Total Wages Paid (Dollars)
Fairbanks	245	40	25	180	38	706,000
Mat-Su	155	50	25	80	40	595,000
Anchorage	1,005	120	260	625	62	7,470,000
Kenai Penin.	170	80	20	70	75	503,000
Railbelt	1,575	290	330	955	55	9,274,000

ALASKA'S 1987 CROP AND WEATHER REVIEW

The 1987 crop year started ahead of schedule as small grain seeding, vegetable planting and transplanting and potato planting all made good progress during May. Barley seeding for grain was nearing completion on May 18 or up to 12 days ahead of schedule. The growing season in the Tanana Valley was the best of recent years, while in the Matanuska Valley and Kenai Peninsula, cool, cloudy and recurrent shower activity slowed crop development throughout much of the season. All areas had short to adequate moisture supplies during the season but timely rains seem to prevent any major crop damage.

First cutting hay made excellent progress in the Tanana Valley in late June through July, while shower activity limited progress in the Matanuska Valley and Kenai Peninsula during much of this period. Second crop harvest was active on several farms by the third week in August. Sunny days promoted harvest in the Tanana Valley during early September while rain or heavy dew slowed progress in the Matanuska Valley.

Small grains made excellent growth and development in the Tanana Valley. Combining started on August 23rd, the earliest in many years. Harvest was virtually complete a month later.

Matanuska Valley growers had unfavorable weather in 1987 for growing small grains. Cool, cloudy days slowed development through the season and strong winds caused moderate to heavy damage in late August. Harvest in this area was prolonged by shower activity during much of September.

Potato digging started in late August in the Fairbanks and Palmer areas. Harvest continued at a steady pace in the Tanana Valley, while muddy conditions and small tubers slowed digging in the Matanuska Valley until mid-September. Excellent supplies of head lettuce, carrots, and cabbage were being harvested in September.

A hard killing frost ended the growing season in much of the Tanana Valley on August 31st. Frost also nipped potato vines in the Matanuska Valley during this period, but the heavy frost did not occur until September 14.

Detailed summaries are shown on the next four pages for temperatures, precipitation and growing degree days. Data for these summaries are taken from monthly Climatological Data Publications, NOAA, Environmental Data Service and may vary somewhat from the Annual Climatological data publication when it becomes available.

ALASKA PRECIPITATION DATA (Inches)

STATION	1987 PRECIPITATION							1987 SNOW/ SLEET	AVERAGE PRECIPITATION 1/						
	APR	MAY	JUN	JUL	AUG	SEP	YEAR		APR	MAY	JUN	JUL	AUG	SEP	YEAR
TANANA VALLEY															
Fairbanks Arpt.	.05	.21	1.02	1.70	.56	.57	6.43	43	.31	.60	1.33	1.78	1.58	1.00	10.27
Univ. Exp. Sta.	.00	.40	1.29	1.95	1.34	.24	7.50	36	.21	.49	1.50	2.09	1.86	1.09	11.74
Eielson Field	.02	.15	.72	1.55	1.17	.82	12.27	48	.27	.62	1.46	2.43	2.05	1.26	11.74
Big Delta	.56	.15	1.96	2.96	1.14	1.26	11.50	43	.22	.73	2.61	2.93	1.94	1.00	11.51
Clearwater	.83	.44	2.49	3.33	2.41	1.37	15.43	46	.55	.92	2.56	2.85	2.05	1.36	15.36
MATANUSKA VALLEY															
Anchorage	.24	.67	1.09	1.89	.43	1.91	14.93	80	.67	.59	1.06	1.76	2.27	2.71	15.58
PMC-Butte	.00	1.12	1.44	2.38	2.96	2.42	19.29	52	.54	.59	1.25	2.42	1.86	2.36	17.89
Palmer AES	.04	1.21	1.44	2.83	2.24	2.70	17.46	57	.59	.52	1.32	2.27	2.22	2.53	15.52
Mat. Exp. Sta.	.01	.90	1.63	2.53	1.76	2.28	13.95	47	.59	.56	1.41	2.47	2.23	2.46	15.17
Wasilla 3S	.04	1.36	1.66	2.70	1.44	3.03	15.98	53	.61	.67	1.74	2.45	2.45	2.92	17.01
Talkeetna	.63	1.23	1.86	4.26	3.37	4.32	25.67	151	1.31	1.53	2.89	3.66	4.20	4.25	28.21
Point McKenzie	.22	.98	1.36	2.31	.46	2.42	14.43	82	*	*	*	*	*	*	*
KENAI PENINSULA															
Homer Arpt.	.77	1.06	1.07	1.08	.59	5.12	32.54	40	1.34	1.15	.96	1.49	2.15	3.25	26.58
Kasilof	.71	.95	4.30	1.52	.87	3.40	21.48	65	.72	.67	1.08	1.63	2.48	3.05	17.67
Sterling	.24	.86	.79	1.43	1.13	2.17	*	*	.55	.84	1.02	1.49	1.92	2.40	14.35
OTHER AREAS															
Kodiak	4.93	3.67	16.88	1.25	.65	7.83	72.03	37	4.12	6.63	5.52	3.89	4.37	6.85	71.21
Nome	.11	.37	.60	.97	1.91	2.42	12.03	47	.57	.48	1.30	2.05	2.62	2.64	15.10
McGrath	.09	1.43	.51	4.41	1.66	3.34	18.56	111	.73	.93	1.53	2.22	2.37	2.27	16.93
Juneau Arpt.	2.08	2.60	6.02	2.54	4.54	8.92	58.79	23	2.98	3.39	3.34	3.63	5.44	6.47	53.30
Haines	3.74	2.15	3.49	.72	1.16	6.24	46.53	52	2.69	2.17	1.41	1.40	2.51	4.86	48.15
Kenny Lake	.09	.38	2.12	1.91	1.07	1.69	11.18	28	.21	.49	1.46	2.00	1.43	1.16	10.80

1/ Averages based on Historical records from 1970-1987 when data available.
* Data missing or station years incomplete for average.

ALASKA 1987 TEMPERATURE DATA

STATION	HIGH/LOW FOR					AVERAGE FOR					DATE OF LAST SPRING		DATE OF FIRST FALL		DAYS BE-
	YEAR	JAN	APR	JUL	SEP	YEAR	JAN	APR	JUL	SEP	MININUM <32°	OF <40°	MINIMUM OF <40°	<32°	TWEEN <32°
TANANA VALLEY															
Fairbanks Arpt.	92/-40	31/-40	64/12	87/45	65/21	30	1	35	64	44	5/10	5/29	8/20	8/30	112
Univ Exp Sta	90/-37	30/-37	63/10	85/43	68/18	31	3	35	62	44	5/25	6/17	8/20	8/30	97
Eielson Field	90/-37	41/-37	65/13	84/44	69/19	26	0	35	62	43	5/05	6/10	8/10	8/30	117
Big Delta	84/-35	37/-35	57/10	81/45	66/20	31	-3	30	60	44	5/17	6/17	8/21	8/30	105
Clearwater	88/-46	37/-46	61/0	81/38	67/15	28	1	32	59	40	6/17	6/20	7/28	8/10	54
MATANUSKA VALLEY															
Anchorage	79/-12	42/-12	56/23	79/43	65/28	38	23	38	57	48	5/11	6/10	8/31	9/14	126
PMC-Butte	83/-22	50/-22	59/21	83/42	65/24	38	24	39	58	46	5/30	6/18	8/20	9/14	107
Palmer AES	81/-19	49/-19	58/23	81/42	63/25	38	24	39	57	46	5/11	6/23	8/20	9/14	126
Mat Exp Sta	81/-21	48/-21	58/20	81/41	66/23	38	23	39	57	46	5/29	6/25	8/20	9/13	107
Wasilla 3S	83/-22	46/-22	63/21	83/43	67/24	39	24	40	59	48	5/29	6/23	8/20	9/13	107
Talkeetna	87/-37	40/-37	56/14	87/41	61/24	36	19	36	58	46	5/18	6/23	8/20	9/13	118
Pt. McKenzie	82/-24	40/-23	55/18	82/43	64/28	37	20	37	58	47	5/22	6/23	9/1	9/14	115
KENAI PENINSULA															
Homer Arpt.	75/-2	45/-2	51/19	75/38	62/27	40	30	37	55	46	5/10	6/18	9/1	9/14	127
Kasilof	72/-18	42/-18	52/19	72/38	60/24	36	24	35	54	45	5/30	6/30	8/8	9/1	94
Sterling	82/-23	43/-23	56/17	82/30	64/19	*	22	36	56	46	6/9	6/30	7/7	8/21	73
OTHER AREAS															
Kodiak	81/6	46/6	49/18	81/44	67/32	42	34	38	56	48	5/19	6/15	8/31	9/29	133
Nome	79/-32	33/-32	46/-4	72/38	56/20	28	6	19	53	39	6/15	6/19	8/19	9/4	112
McGrath	82/-51	32/-51	56/10	82/40	60/18	28	0	28	60	42	5/29	6/23	8/21	9/8	102
Juneau Arpt.	82/5	44/12	55/30	82/44	64/37	44	33	42	59	50	4/23	5/21	9/23	10/29	159
Haines	87/1	40/8	58/24	87/45	64/38	43	30	41	61	50	4/12	6/4	9/24	10/30	171
Kenny Lake	83/-36	40/-36	57/7	83/33	63/15	32	11	34	58	44	6/17	6/25	7/1	8/10	54

* Data missing or station years incomplete for average.

ALASKA HISTORICAL TEMPERATURE DATA 1 /

STATION	RECORD HIGH/LOW FOR					AVERAGE FOR					GROWING SEASON AVG. NO. FROST FREE DAYS 32°	ELEVATION IN FEET
	YEAR	JAN	APR	JUL	SEP	YEAR	JAN	APR	JUL	SEP		
TANANA VALLEY												
Fairbanks Arpt.	96/-66	50/-66	74/-49	93/34	84/10	28	-8	31	63	45	117	436
Univ. Exp. Sta.	99/-65	47/-65	76/-32	99/29	85/6	28	-5	30	61	45	92	475
Eielson Field	93/-64	49/-64	74/-23	89/36	75/5	28	-9	29	61	44	95	547
Big Delta	92/-63	48/-63	76/-37	91/35	79/2	28	-3	30	60	44	102	1268
Clearwater	93/-72	48/-72	74/-33	90/28	74/13	25	-9	28	58	42	54	1100
MATANUSKA VALLEY												
Anchorage	86/-38	56/-35	65/-21	83/35	73/19	36	17	35	58	48	136	114
PMC-Butte	85/-42	51/-40	72/-15	85/36	71/17	35	17	36	58	47	99	67
Palmer AES	90/-35	51/-35	69/-17	85/37	72/17	36	15	35	58	48	121	225
Mat. Exp. Sta.	91/-41	51/-40	68/-16	85/31	75/16	36	15	36	58	47	107	150
Wasilla 3S	90/-38	52/-38	68/-8	87/37	76/17	37	16	37	59	48	102	50
Talkeetna	91/-48	45/-48	69/-37	90/26	78/11	33	11	32	58	46	101	345
Pt.McKenzie	*	*	*	*	*	*	*	*	*	*	*	145
KENAI PENINSULA												
Homer Arpt.	81/-17	49/-17	60/-7	78/37	66/24	38	24	35	53	48	121	89
Kasilof	87/-45	48/-45	63/-17	83/27	72/15	34	14	33	53	45	43	70
Sterling	87/-40	47/-38	65/-14	87/30	70/9	34	15	33	55	46	71	325
OTHER AREAS												
Kodiak	86/-8	54/-8	62/-7	81/38	73/26	41	31	37	54	50	146	111
Nome	86/-47	46/-47	60/-30	86/31	67/15	27	7	16	52	42	76	13
McGrath	90/-64	54/-64	67/-40	89/33	76/6	26	-8	25	59	44	97	344
Juneau Arpt.	90/-22	57/-20	71/6	90/36	72/26	41	25	40	56	49	139	12
Haines	98/-17	53/-11	74/16	98/35	76/24	41	24	41	58	50	151	31
Kenny Lake	88/-57	44/-57	68/-26	88/30	70/-1	28	-3	31	57	43	56	1320

1/ Averages based on Historical records from 1970-1987 when data available.
* Data missing or station years incomplete for average.

ALASKA SEASON GROWING DEGREE DAYS (BASE 40 DEGREES F) 1 /

STATION	MAY		JUN		JUL		AUG		SEP		TOTAL	
	1987	AVG.	1987	AVG.	1987	AVG.	1987	AVG.	1987	AVG.	1987	AVG.
TANANA VALLEY												
Fairbanks Arpt.	341	294	660	591	744	702	558	524	120	153	2423	2263
Univ. Exp. Sta.	279	262	600	547	682	657	558	494	120	140	2239	2100
Eielson Field	341	248	620	540	682	651	496	496	93	120	2232	2055
Big Delta	248	238	510	499	620	623	496	479	90	133	1664	1972
Clearwater	217	182	510	454	689	574	372	407	7	72	1668	1688
MATANUSKA VALLEY												
Anchorage	217	206	360	421	527	567	527	502	240	241	1871	1937
PMC-Butte	248	235	420	438	558	557	496	480	180	217	1902	1927
Palmer AES	248	197	390	418	527	537	527	465	180	230	1872	1847
Mat. Exp. Sta.	217	211	390	412	527	543	527	484	180	216	1841	1865
Wasilla 3S	279	231	450	443	589	587	558	520	240	252	2116	2032
Talkeetna	186	158	420	420	558	562	527	472	180	171	1871	1783
Pt.McKenzie	248	*	390	*	558	*	558	*	210	*	1964	*
KENAI PENINSULA												
Homer Arpt.	124	90	300	273	465	414	465	412	180	224	1534	1413
Kasilof	93	66	300	260	434	397	403	374	150	159	1380	1256
Sterling	155	128	330	320	496	471	434	413	180	177	1595	1509
OTHER AREAS												
Kodiak	155	109	240	283	496	444	527	463	240	301	1658	1600
Nome	0	23	270	174	403	373	372	324	0	88	1045	976
McGrath	186	157	480	452	620	580	527	455	60	118	1873	1761
Juneau Arpt.	248	221	360	388	589	498	558	470	300	286	2055	1863
Haines	279	260	360	442	651	551	589	519	300	299	2179	2072
Kenny Lake	155	126	330	384	558	519	434	409	120	105	1597	1542

1/ Averages based on Historical records from 1970-1987 when data available.
* Data missing or station years incomplete for average.

ALASKA CROP SUMMARY — 1987

BARLEY was planted on 6,000 acres in 1987, 2,000 acres less than in 1986. Growers harvested 5,700 acres of which 5,300 acres were harvested for grain. Production of **BARLEY FOR GRAIN** was 220,000 bushels, 13,000 bushels above 1986. Yield averaged 41.5 bushels per acre. The 1987 crop value, at $616,000 was $98,000 below the 1986 level.

OAT growers planted 5,700 acres of oats, 100 above 1986. Growers harvested 5,600 acres, 200 acres above last year's level. Most of the oat acreage was harvested for hay and silage in 1987.

OATS FOR GRAIN was harvested from 800 acres, up 500 acres from 1986. Production at 41,000 bushels was 27,800 above the 1986 production. The State's yield averaged 51.0 bushels per acre. Value of the 1987 crop at $96,000, compares with $31,000 the previous year.

MIXED GRAINS for hay and silage were harvested from 400 acres, 400 acres less than 1986. Production is included with hay and silage data.

ALL HAY production of 20,300 tons was 3,300 tons above the 1986 production. The State average yield at 1.23 tons per acre, compares with 1.18 tons per acre in 1986. The 1987 crop was harvested from 16,500 acres, up from 14,400 acres a year earlier. At $3,248,000, production value of all hay was up $358,000 from the previous year.

GRASS HAY was harvested from 14,700 acres, 1,900 more than in 1986. Production of 18,100 tons of grass hay was 2,900 tons above the 1986 level. Seeded grass hay-brome, timothy, etc. is harvested mostly in the Tanana and Matanuska Valleys. Native grasses still make up part of the Kenai Peninsula hay production.

GRAIN HAY, mostly oat hay was harvested from 1,800 acres, 200 acres above the previous year's level. Production totaled 2,200 tons, compared with 1,800 tons in 1986.

ALL SILAGE production of 29,500 tons was up 3,400 tons from the previous year. A total of 5,800 acres of silage was harvested, down 1,300 acres from 1986. **GRASS SILAGE** was harvested from 2,000 acres and produced 11,400 tons. **GRAIN SILAGE** produced 18,100 tons from 3,800 acres. Silage is produced mainly by Grade A dairies included in the Palmer and Pt. MacKenzie areas. Production value of all silage at $1,260,000 was $156,000 more than a year ago.

POTATO production of 152,000 cwt. was harvested from 750 acres, compared with 124,000 cwt. in 1986. At $2,250,000, value of production was $340,000 above the 1986 crop.

VEGETABLES were harvested from 297 acres, up slightly from 1986. Value of all vegetables produced, excluding greenhouse vegetables was $806,000 compared with $819,000 in 1986. **HEAD LETTUCE** production of 33,700 cartons was harvested from 108 acres in 1987. Other types of lettuce are included in other vegetables. An annual average carton weight for head lettuce in Alaska was 43 pounds in 1987 and 42 pounds in 1986. **CABBAGE** production of 12,500 cartons was harvested from 41 acres in 1987. An annual average carton weight for cabbage in Alaska was 52 pounds in 1987 and 53 pounds in 1986.

CARROT production totaled 2,200 cwt., 1,000 cwt. below 1986. Acres harvested at 21 was down from 26 a year ago. **OTHER VEGETABLES** were harvested from 127 acres, up slightly from the previous year.

ALASKA CROPLAND UTILIZATION - 1982 1/

CROPS	TANANA VALLEY	MATANUSKA VALLEY	KENAI PENIN.	SOUTH-WEST	STATE TOTAL
	Acres				
PLANTED AREA					
COMMERCIAL VEGETABLES					
Potatoes	95	415	20	-	530
Lettuce	14	110	-	-	124
Cabbage	6	37	-	-	43
Carrots	9	23	-	-	32
Other Vegetables	20	130	5	-	155
FEED CROPS					
All Oats	2,300	500	400	-	3,200
All Barley	7,700	600	200	-	8,500
Grain Mixtures	100	600	-	-	700
GRASSLAND HARVESTED					
Grass	4,250	5,550	2,100	100	12,000
TOTAL LAND IN CROPS	14,494	7,965	2,725	100	25,284
Percent of State Total	57.3	31.5	10.8	.4	100
HARVESTED AREA					
COMMERCIAL VEGETABLES					
Potatoes	90	370	20	-	480
Lettuce	13	96	-	-	109
Cabbage	6	31	-	-	37
Carrots	8	21	-	-	29
Other Vegetables	20	106	5	-	131
FEED CROPS					
Oats-All Purposes	2,000	200	300	-	2,500
Barley-All Purposes	7,450	350	100	-	7,900
Grain Mixtures	100	500	-	-	600
Grass	4,250	5,550	2,100	100	12,000
FEED CROP UTILIZATION					
GRAIN					
Oats	550	50	-	-	600
Barley	7,250	250	-	-	7,500
HAY					
Grain	1,500	300	400	-	2,200
Grass	4,200	4,500	2,100	100	10,900
SILAGE					
Grain	250	450	-	-	700
Grass	50	1,050	-	-	1,100

1/ Dash indicates no crop produced or combined with other areas.

ALASKA CROPLAND UTILIZATION - 1987 1 /

CROPS	TANANA VALLEY	MATANUSKA VALLEY	KENAI PENIN	SOUTH-WEST	STATE TOTAL
	Acres				
			PLANTED AREA		
COMMERCIAL VEGETABLES					
Potatoes 2/	-	-	-	-	850
Lettuce	22	88	-	-	110
Cabbage	8	36	-	-	44
Carrots	6	19	-	-	25
Other Vegetables	20	135	-	-	155
FEED CROPS					
All Oats	1,900	3,700	100	-	5,700
All Barley	5,400	600	-	-	6,000
Grain Mixtures	100	300	-	-	400
GRASSLAND HARVESTED					
Grass	6,300	7,600	2,600	200	16,700
TOTAL LAND IN CROPS 3/	13,756	12,478	2,700	200	29,134
Percent of State Total	47.2	42.8	9.3	.7	100
			HARVESTED AREA		
COMMERCIAL VEGETABLES					
Potatoes 2/	-	-	-	-	750
Lettuce	21	87	-	-	108
Cabbage	7	34	-	-	41
Carrots	6	15	-	-	21
Other Vegetables	17	110	-	-	127
FEED CROPS					
Oats-All Purposes	1,800	3,700	100	-	5,600
Barley-All Purposes	5,400	300	-	-	5,700
Grain Mixtures	100	300	-	-	400
Grass	6,300	7,600	2,600	200	16,700
			FEED CROP UTILIZATION		
GRAIN					
Oats	600	200	-	-	800
Barley	5,000	300	-	-	5,300
HAY					
Grain	1,400	300	100	-	1,800
Grass	6,100	5,800	2,600	200	14,700
SILAGE					
Grain	300	3,500	-	-	3,800
Grass	200	1,800	-	-	2,000

1/ Dash indicates no crop produced or combined with other areas. 2/ Breakdown by area not available due to disclosure of individual information in Tanana Valley. 3/ Excludes potato acreage by area.

ALASKA BARLEY - SELECTED YEARS

District	Year	Area Planted Acres	AREA HARVESTED FOR GRAIN Acres	Yield Bu.	Production Bu. (000)	$ Value (000)
Tanana Valley	1960	830	650	26.6	17.3	40.3
	1967	620	550	44.0	24.2	48.7
	1977	1,350	1,300	47.6	61.9	240.0
	1985	12,300	10,300	25.5	262.0	750.0
	1986	6,900	6,200	29.0	179.0	430.0
	1987	**5,400**	**5,000**	**42.2**	**211.0**	**587.0**
Matanuska Valley 1/	1960	1,870	1,650	42.6	70.2	151.8
	1967	1,280	1,250	41.1	51.4	95.3
	1977	1,750	1,300	49.3	64.1	239.0
	1985	700	400	40.0	16.0	56.0
	1986	1,100	800	35.0	28.0	88.0
	1987	**600**	**300**	**29.0**	**9.0**	**29.0**
STATE TOTAL	1960	2,700	2,300	38.0	87.5	192.0
	1967	1,900	1,800	42.0	75.6	144.0
	1977	3,100	2,600	48.5	126.0	479.0
	1985	13,000	10,700	26.0	278.0	806.0
	1986	8,000	7,000	29.5	207.0	518.0
	1987	**6,000**	**5,300**	**41.5**	**220.0**	**616.0**

1/ Includes Kenai Peninsula.

ALASKA GRAIN STOCKS — 1984-1987 CROPS

YEAR	ON FARM Jan. 1	ON FARM Apr. 1	ON FARM Jul. 1	ON FARM Sep. 1	OFF FARM Jan. 1	OFF FARM Apr. 1	OFF FARM Jul. 1	OFF FARM Sep. 1	TOTAL Jan. 1	TOTAL April 1	TOTAL July 1	TOTAL Sept 1
	Tons											
	OATS											
1985	1390	1180	1010	330	50	40	50	450	1440	1220	1060	780
1986	340	290	230	200	360	320	220	150	700	610	450	350
1987	260	210	80	40	110	70	40	10	370	280	120	50
1988	**530**	**430**	**NA**	**NA**	**100**	**100**	**NA**	**NA**	**630**	**530**	**NA**	**NA**
	BARLEY											
1985	8050	6700	4820	3410	3500	1900	1520	1270	11550	8600	6340	4680
1986	5860	3850	2740	1900	1440	1030	1050	720	7300	4880	3790	2620
1987	4090	3060	1790	1010	980	570	280	370	5070	3630	2070	1380
1988	**2820**	**1800**	**NA**	**NA**	**1500**	**1050**	**NA**	**NA**	**4320**	**2850**	**NA**	**NA**

NA - Not available.

ALASKA OATS - SELECTED YEARS

District	Year	Area Planted Acres	AREA HARVESTED FOR GRAIN Acres	Yield Bu.	Production Bu. (000)	$ Value (000)
Tanana Valley	1960	640	220	51.8	11.4	18.3
	1967	400	90	62.2.	5.6	7.6
	1977	1,500	300	44.8	13.4	35.5
	1985	1,600	100	30.0	3.0	6.5
	1986	700	100	37.0	3.7	8.0
	1987	**1,900**	**600**	**53.0**	**31.8**	**73.0**
Matanuska Valley 1/	1960	2,560	1,180	57.9	68.3	101.7
	1967	1,200	510	79.6	40.6	54.4
	1977	1,300	100	62.0	6.2	15.5
	1985	6,900	100	40.0	4.0	10.0
	1986	4,900	200	47.5	9.5	23.0
	1987	**3,800**	**200**	**46.0**	**9.2**	**23.0**
STATE TOTAL	1960	3,200	1,400	56.9	79.7	120.0
	1967	1,600	600	77.0	46.2	62.0
	1977	2,800	400	49.0	19.6	51.0
	1985	8,500	200	35.0	7.0	16.5
	1986	5,600	300	44.0	13.2	31.0
	1987	**5,700**	**800**	**51.0**	**41.0**	**96.0**

1/ Includes Kenai Peninsula & Southwest.

ALASKA MIXED GRAINS (All purposes) — SELECTED YEARS

District	1960	1967	1977	1985	1986	**1987**
			ACRES PLANTED			
Tanana Valley	640	200	100	300	400	**100**
Matanuska Valley	2,480	2,400	700	400	400	**300**
Kenai Peninsula	180	400	-	-	-	**-**
STATE TOTAL	3,300	3,000	800	700	800	**400**
			ACRES HARVESTED			
Tanana Valley	620	160	100	300	400	**100**
Matanuska Valley	2,440	2,240	700	400	400	**300**
Kenai Peninsula	140	400	-	-	-	**-**
STATE TOTAL	3,200	2,800	800	700	800	**400**

1/ Includes mixtures of oats, barley, peas and etc. Dash indicates no crop produced or combined with other areas.

ALASKA GRAIN AND GRASS HAY - SELECTED YEARS

District	Year	Area Harv. Acres	Production Tons	Production $ Value (000)	Area Harv. Acres	Production Tons	Production $ Value (000)
		GRAIN HAY 1/			GRASS HAY		
Tanana Valley	1960	500	700	52.5	560	750	62.2
	1967	330	500	23.0	1,550	1,800	103.0
	1977	1,100	1,900	218.0	2,500	3,100	417.0
	1985	900	1,000	142.0	4,200	4,400	673.0
	1986	1,050	1,200	168.0	5,000	6,000	918.0
	1987	**1,400**	**1,800**	**260.0**	**6,100**	**7,400**	**1,096.0**
Matanuska Valley	1960	1,270	1,600	104.0	3,450	6,250	468.5
	1967	670	1,050	50.0	4,500	8,200	439.0
	1977	470	800	85.0	6,100	11,800	1,585.0
	1985	400	500	86.0	5,000	7,500	1,168.0
	1986	350	500	85.0	4,900	6,500	1,192.0
	1987	**300**	**300**	**46.0**	**5,800**	**7,600**	**1,314.0**
Kenai Peninsula	1960	110	170	12.5	610	650	48.8
	1967	200	350	22.0	1,300	1,100	77.0
	1977	530	800	112.0	1,500	2,100	350.0
	1985	200	200	35.0	2,900	3,600	562.0
	1986	200	100	19.0	2,700	2,600	491.0
	1987	**100**	**100**	**18.0**	**2,600**	**2,900**	**480.0**
Southwest 2/	1960	20	30	2.0	380	350	21.5
	1967	-	-	-	150	100	7.0
	1977	-	-	-	100	100	14.0
	1985	-	-	-	100	100	16.0
	1986	-	-	-	200	100	17.0
	1987	**-**	**-**	**-**	**200**	**200**	**34.0**
STATE TOTAL	1960	1,900	2,500	171.0	5,000	8,000	601.0
	1967	1,200	1,900	95.0	7,500	11,200	626.0
	1977	2,100	3,500	415.0	10,200	17,100	2,366.0
	1985	1,500	1,700	263.0	12,200	15,600	2,419.0
	1986	1,600	1,800	272.0	12,800	15,200	2,618.0
	1987	**1,800**	**2,200**	**324.0**	**14,700**	**18,100**	**2,924.0**

1/ Includes mixed grains, oats and barley. 2/ Includes Southeast. Dash indicates no crop produced or combined with other areas.

ALASKA ALL HAY - SELECTED YEARS

District	Year	Area Harvested Acres	Yield Tons	Production Tons	$ Value (000)
	1960	1,060	1.37	1,450	114.7
	1967	1,880	1.22	2,300	126.0
	1977	3,600	1.39	5,000	635.0
Tanana Valley	1985	5,100	1.06	5,400	815.0
	1986	6,050	1.19	7,200	1,086.0
	1987	**7,500**	**1.23**	**9,200**	**1,356.0**
	1960	4,720	1.66	7,850	572.5
	1967	5,170	1.79	9,250	489.0
	1977	6,570	1.92	12,600	1,670.0
Matanuska Valley	1985	5,400	1.48	8,000	1,254.0
	1986	5,250	1.33	7,000	1,277.0
	1987	**6,100**	**1.30**	**7,900**	**1,360.0**
	1960	720	1.14	820	61.3
	1967	1,500	.97	1,450	99.0
	1977	2,030	1.43	2,900	462.0
Kenai Peninsula	1985	3,100	1.23	3,800	597.0
	1986	2,900	.93	2,700	510.0
	1987	**2,700**	**1.11**	**3,000**	**498.0**
	1960	400	.95	380	23.5
	1967	150	.67	100	7.0
	1977	100	1.00	100	14.0
Southwest 1/	1985	100	1.00	100	16.0
	1986	200	.50	100	17.0
	1987	**200**	**1.00**	**200**	**34.0**
	1960	6,900	1.52	10,500	772.0
	1967	8,700	1.51	13,100	721.0
	1977	12,300	1.67	20,600	2,781.0
STATE TOTAL	1985	13,700	1.26	17,300	2,682.0
	1986	14,400	1.18	17,000	2,890.0
	1987	**16,500**	**1.23**	**20,300**	**3,248.0**

1/ Includes Southeast.

ALASKA GRAIN AND GRASS SILAGE - SELECTED YEARS 1 /

District	Year	Area Harv. Acres	Production Tons	Production $ Value (000)	Area Harv. Acres	Production Tons	Production $ Value (000)
		GRAIN SILAGE 1/			GRASS SILAGE		
Tanana Valley	1960	590	2,550	59.0	110	350	7.7
	1967	100	550	9.9	150	500	9.0
	1977	-	-	-	50	200	8.0
	1985	200	500	21.0	100	300	13.0
	1986	600	2,100	88.0	200	700	30.0
	1987	**300**	**1,700**	**76.0**	**200**	**800**	**37.0**
Matanuska Valley	1960	2,240	12,000	242.0	860	3,050	59.5
	1967	1,940	13,200	206.1	1,000	3,950	64.0
	1977	1,000	3,900	148.0	1,350	7,500	277.0
	1985	6,000	24,400	1,024.0	700	4,300	185.0
	1986	4,500	16,300	685.0	1,600	6,800	293.0
	1987	**3,500**	**16,400**	**691.0**	**1,800**	**10,600**	**456.0**
Kenai Penin. 2/	1960	270	1,250	24.0	330	1,000	18.8
	1967	360	850	15.0	250	450	8.0
	1977	-	-	-	-	-	-
	1985	100	300	13.0	200	400	17.0
	1986	100	100	4.0	100	100	4.0
	1987	-	-	-	-	-	-
STATE TOTAL	1960	3,100	15,800	325.0	1,300	4,400	86.0
	1967	2,400	14,600	231.0	1,400	4,900	81.0
	1977	1,000	3,900	148.0	1,400	7,700	285.0
	1985	6,300	25,200	1,058.0	1,000	5,000	215.0
	1986	5,200	18,500	777.0	1,900	7,600	327.0
	1987	**3,800**	**18,100**	**767.0**	**2,000**	**11,400**	**493.0**

1/ Includes mixed grains, oats and barley. 2/ Includes Southwest. Dash indicates no crop produced or combined with other areas.

ALASKA ALL SILAGE - SELECTED YEARS

District	Year	Area Harvested Acres	Yield Tons	Production Tons	$ Value (000)
	1960	700	4.14	2,900	66.7
	1967	250	4.20	1,050	18.9
	1977	50	4.00	200	8.0
Tanana Valley	1985	300	2.67	800	34.0
	1986	200	3.50	2,800	118.0
	1987	**500**	**4.80**	**2,400**	**113.0**
	1960	3,100	4.85	15,050	301.5
	1967	2,940	5.83	17,150	270.1
	1977	2,350	4.85	11,400	425.0
Matanuska Valley	1985	6,700	4.28	28,700	1,209.0
	1986	6,100	3.79	23,100	978.0
	1987	**5,300**	**5.11**	**27,100**	**1,147.0**
	1960	600	3.75	2,250	42.8
	1967	610	2.13	1,300	23.0
	1977	-	-	-	-
Kenai Peninsula 1/	1985	300	2.33	700	30.0
	1986	200	1.00	200	8.0
	1987	-	-	-	-
	1960	4,400	4.59	20,200	411.0
	1967	3,800	5.13	19,500	312.0
	1977	2,400	4.83	11,600	433.0
STATE TOTAL	1985	7,300	4.14	30,200	1,273.0
	1986	7,100	3.68	26,100	1,104.0
	1987	**5,800**	**5.09**	**29,500**	**1,260.0**

1/ Includes Southwest. Dash indicates no crop produced or combined with other areas.

ALASKA POTATOES - SELECTED YEARS

District	Year	Area Harvested Acres	Yield Cwt.	PRODUCTION Cwt.	$ Value
					(000)
	1960	296	159	47,000	290.4
	1967	224	154	34,400	172.0
	1977	95	103	9,800	123.0
Tanana Valley	1985	75	132	9,900	170.0
	1986	90	123	11,100	172.0
	1987 1/	-	-	-	-
	1960	378	203	76,640	386.2
	1967	413	230	95,000	418.0
	1977	405	253	102,300	1,163.0
Matanuska Valley	1985	485	232	112,300	1,758.0
	1986	445	251	111,800	1,720.0
	1987 1/	-	-	-	-
	1960	56	139	7,760	46.4
	1967	53	162	8,600	52.0
	1977	20	145	2,900	37.0
Kenai Peninsula 2/	1985	20	90	1,800	31.0
	1986	15	73	1,100	18.0
	1987 1/	-	-	-	-
	1960	730	180	131,400	723.0
	1967	690	200	138,000	642.0
	1977	520	222	115,000	1,323.0
STATE TOTAL	1985	580	214	124,000	1,959.0
	1986	550	225	124,000	1,910.0
	1987	**750**	**203**	**152,000**	**2,250.0**

1/ Breakdown by area not available due to disclosure of individual information.
2/ Includes Southeast & Southwest.

ALASKA POTATO PRODUCTION, DISPOSITION AND AVERAGE PRICE - SELECTED YEARS

Crop Year	Production	Total Seed	Farm Food Seed 1/	Lost and Shrinkage	Sold	$ Price Per Cwt.
	- - - - - - - - - - - -	(000) Hundredweight	- - - - - - - - - - - -			
1961	146.3	7.6	8.8	34.1	103.4	6.30
1967	138.0	7.1	7.7	22.2	108.1	0.00
1977	115.0	4.4	9.0	36.0	70.0	11.50
1984	120.0	7.8	14.5	12.0	93.5	18.80
1985	124.0	8.7	13.0	19.0	92.0	15.80
1986	**124.0**	**10.1**	**14.0**	**12.0**	**98.0**	**15.40**

1/ Household use, livestock feed, and seed used on farm where grown.

ALASKA POTATO STOCKS - SELECTED YEARS

Crop: Year:	Total Production	STOCKS ON HAND AS OF Oct 1	Dec 1	Jan 1	Feb 1	Mar 1	Apr 1	May 1	Jun 1
		(000) Hundredweight							
1961	146.3	NA	90.0	77.0	64.0	58.0	47.7	32.2	18.7
1967	138.0	130.0	102.4	89.5	77.9	66.4	53.4	40.8	22.4
1977	115.0	110.5	94.0	83.0	65.0	53.0	42.5	29.5	13.0
1985	124.0	121.0	97.5	84.0	68.0	53.0	43.0	32.0	15.5
1986	124.0	115.0	100.5	88.5	72.5	63.0	52.5	38.5	20.5
1987	**152.0**	**141.0**	**123.0**	**113.0**	**102.5**	**91.5**	**78.0**	**66.0**	**NA**

NA - Not Available.

ALASKA OTHER VEGETABLES AND CARROTS — SELECTED YEARS

District	Year	OTHER VEGETABLES 1/ Area Harv. Acres	Production Cwt.	$ Value	CARROTS Area Harv. Acres	Production Cwt.	$ Value
	1960	8	860	10,900	3	400	3,300
	1967	13	450	7,200	7	630	8,500
	1977	8	300	11,000	5	500	11,000
Tanana Valley	1985	20	900	41,000	7	400	13,000
	1986	18	700	32,000	7	500	16,000
	1987	**17**	**900**	**38,000**	**6**	**300**	**10,000**
	1960	42	1,940	29,100	42	7,200	45,700
	1967	37	1,550	22,800	33	5,370	60,500
	1977	37	2,000	62,000	7	2,400	38,000
Mat. Valley 2/	1985	95	6,600	208,000	22	2,500	74,000
	1986	92	6,900	234,000	19	2,700	69,000
	1987	**110**	**6,800**	**239,000**	**15**	**1,900**	**57,000**
	1960	50	2,800	40,000	45	7,600	49,000
	1967	50	2,000	30,000	40	6,000	69,000
	1977	45	2,300	73,000	12	2,900	49,000
STATE TOTAL	1985	115	7,500	249,000	29	2,900	87,000
	1986	110	7,600	266,000	26	3,200	85,000
	1987	**127**	**7,700**	**277,000**	**21**	**2,200**	**67,000**

1/ Excludes greenhouse grown vegetables. 2/ Includes Kenai Peninsula.

ALASKA HEAD LETTUCE AND CABBAGE - SELECTED YEARS

District	Year	Area Harvested Acres	Production Ctn.	Production Cwt.	$ Value
			HEAD LETTUCE 1/		
	1960	3		200	3,100
	1967	8		720	10,400
	1977	10		1,500	36,000
Tanana Valley	1985	23	3,000		44,000
	1986	22	4,000		57,000
	1987	**21**	**3,800**		**54,000**
	1960	47		6,000	74,900
	1967	52		6,780	92,600
	1977	70		9,100	227,000
Matanuska Valley 2/	1985	92	31,500		311,000
	1986	83	31,000		303,000
	1987	**87**	**29,900**		**296,000**
	1960	50		6,200	78,000
	1967	60		7,500	103,000
	1977	80		10,600	263,000
STATE TOTAL	1985	115	34,500		355,000
	1986	105	35,000		360,000
	1987	**108**	**33,700**		**350,000**
			CABBAGE		
	1960	13		1,020	12,400
	1967	8		560	7,000
	1977	5		500	10,000
Tanana Valley	1985	8	1,300		17,500
	1986	9	1,300		19,500
	1987	**7**	**1,100**		**15,800**
	1960	22		2,580	18,600
	1967	22		2,140	19,000
	1977	20		3,000	44,000
Matanuska Valley 2/	1985	36	5,900		57,500
	1986	28	9,900		88,500
	1987	**34**	**11,400**		**96,200**
	1960	35		3,600	31,000
	1967	30		2,700	26,000
	1977	25		3,500	54,000
STATE TOTAL	1985	44	7,200		75,000
	1986	37	11,200		108,000
	1987	**41**	**12,500**		**112,000**

1/ Prior to 1985, included all lettuce. 2/ Includes Kenai Peninsula.

ALASKA HISTORICAL CROP ACRES HARVESTED — 1960-1987

Year	Barley	Oats	All Silage	All Hay	Potatoes	Vegetables	Total Acres
	Harvested Acres						
1960	2,300	1,400	4,400	6,900	730	180	15,910
1961	2,000	900	4,700	7,400	770	150	15,920
1962	2,200	1,100	6,500	7,800	730	155	18,485
1963	2,200	1,000	6,600	7,600	760	185	18,345
1964	1,900	500	5,600	8,300	730	155	17,185
1965	1,600	600	4,300	6,900	780	145	14,325
1966	1,600	400	3,900	8,200	710	155	14,965
1967	1,800	600	3,800	8,700	690	180	15,770
1968	1,900	900	3,500	7,900	620	285	15,105
1969	1,200	500	3,000	8,100	620	250	13,670
1970	1,500	500	2,900	8,000	610	200	13,710
1971	3,100	200	4,200	7,000	630	205	15,335
1972	2,800	500	3,800	10,900	550	170	18,720
1973	3,100	600	2,900	11,600	500	165	18,865
1974	1,100	400	2,800	12,600	570	155	17,625
1975	1,500	400	2,800	14,400	530	165	19,795
1976	1,300	300	2,500	13,700	510	175	18,485
1977	2,600	400	2,400	12,300	520	162	18,382
1978	4,000	600	2,400	12,200	450	198	19,848
1979	5,800	300	2,400	10,800	460	220	19,980
1980	11,500	600	3,600	12,800	460	227	29,187
1981	8,500	500	3,000	14,400	500	273	27,173
1982	7,500	600	1,800	13,100	480	306	23,786
1983	11,900	600	2,000	15,700	520	287	31,007
1984	15,000	1,700	5,800	15,600	550	301	38,951
1985	10,700	200	7,300	13,700	580	303	32,783
1986	7,000	300	7,100	14,400	550	278	29,628
1987	**5,300**	**800**	**5,800**	**16,500**	**750**	**297**	**29,447**

ALASKA LIVESTOCK AND POULTRY - 1987

CATTLE AND CALVES: There were 9,500 head of cattle and calves on Alaska farms and ranches January 1, 1988, unchanged from last year. Inventory value of all cattle on January 1, 1988 totaled $6,460,000.

DAIRY: Milk cows that have calved numbered 2,300 on January 1, 1988, down 100 head from the previous January 1. There were 700 head of dairy replacement heifers.

The number of Grade A dairies in the State on January 1, 1988 totaled 15. Twelve from the Palmer and Pt. MacKenzie areas are included with the Matanuska Valley; 3 in the Tanana Valley near Delta Junction.

MILK PRODUCTION in 1987 totaled 34.8 million pounds, 3,300,000 pounds more than in 1986. The value of milk produced at $7,034,000 was $671,000 more than a year ago. The 1987 value per hundredweight of $20.21 compares with $20.20 in 1986.

BEEF: Beef cattle (all cattle and calves less milk cows and dairy replacement heifers) numbered 6,500 head, 100 head more than the January 1, 1987 number. Beef cow numbers at 2,500 head were unchanged from the previous year. Beef heifers are estimated at 700 head.

Marketing and transportation problems continue to be main obstacles of the rancher. Beef are generally sold off the range at the end of the grazing season. However, during the past year, several head of beef cattle have been force fed in feed lots before being slaughtered.

HOGS: There were 500 hogs and pigs on farms on December 1, 1987, down from 1,000 head the previous year. Total value of hogs on December 1, 1987 was $81,000 compared with $127,000 on December 1, 1986.

SHEEP: Stock sheep and lambs on January 1, 1988 totaled 2,400 head, unchanged from a year earlier. Inventory value of sheep was estimated at $170,000 compared with $162,000 a year earlier.

WOOL PRODUCTION of 17,000 pounds was down 3,000 pounds from 1986. The 1,800 head shorn compares with 1,900 head shorn in 1986. At 9.4 pounds, fleece weight was down from the 10.5 pounds the previous year. Value of 1987 wool crop was $13,000.

POULTRY: All chickens on farms totaled 6,000 on December 1, 1987. Value of all chickens totaled $25,000 down from $281,000 a year earlier.

EGG PRODUCTION totaled 550,000 dozen in 1987, 517,000 dozen less than in 1986. Value of eggs produced in 1987 was $731,000, down $581,000 from the previous year.

REINDEER: There were an estimated 23,000 head of reindeer during 1987, unchanged from 1986. Value of sales from meat and by-products totaled $856,000, up $101,000 from 1986.

ALASKA MEAT PRODUCTION - SELECTED YEARS

District	Year	PRODUCTION Pounds Dr. Wt.	PRODUCTION $ Value	PRODUCTION Pounds Dr. Wt.	PRODUCTION $ Value
		BEEF AND VEAL		PORK	
	1960	37,600	16,100	14,900	6,700
	1967	70,000	28,000	48,000	23,000
	1977	34,000	36,000	87,000	74,000
Tanana Valley	1985	484,000	463,000	343,000	233,000
	1986	347,000	399,000	311,000	199,000
	1987	**405,000**	**512,000**	**59,000**	**55,000**
	1960	155,000	60,300	126,700	50,900
	1967	376,000	135,000	96,000	43,000
	1977	167,000	145,000	93,000	75,000
Matanuska Valley	1985	592,000	558,000	70,000	49,000
	1986	513,000	571,000	88,000	59,000
	1987	**580,000**	**715,000**	**131,000**	**118,000**
	1960	14,000	5,500	4,400	1,900
	1967	124,000	56,000	-	-
	1977	93,000	91,000	5,000	4,000
Kenai Peninsula	1985	223,000	250,000	40,000	40,000
	1986	151,000	187,000	42,000	38,000
	1987	**145,000**	**199,000**	**37,000**	**42,000**
	1960	150,400	62,100	5,000	2,500
	1967	393,000	174,000	4,000	2,000
	1977	228,000	206,000	10,000	8,000
Southeast 1/	1985	212,000	229,000	16,000	16,000
	1986	188,000	238,000	16,000	14,000
	1987	**188,000**	**261,000**	**13,000**	**15,000**
	1960	357,000	144,000	151,000	62,000
	1967	963,000	393,000	148,000	68,000
	1977	522,000	478,000	195,000	161,000
STATE TOTAL	1985	1,511,000	1,500,000	469,000	338,000
	1986	1,199,000	1,395,000	457,000	310,000
	1987	**1,318,000**	**1,687,000**	**240,000**	**230,000**

1/ Includes Southwest. Dash indicates combined with others.

ALASKA CATTLE ON FARMS (JANUARY 1) - SELECTED YEARS

District	1961	1968	1978	1986	1987	1988
			BEEF COWS THAT HAVE CALVED 1/			
Tanana Valley	30	10	60	420	400	400
Matanuska Valley	30	20	80	170	150	150
Kenai Peninsula	70	290	200	280	320	250
Southwest 2/	1,270	2,080	2,060	1,630	1,630	1,700
STATE TOTAL	1,400	2,400	2,400	2,500	2,500	2,500
VALUE (000) DOLLARS	329.0	540.0	948.0	1,425.0	1,375.0	1,668.0
			MILK COWS THAT HAVE CALVED 1/			
Tanana Valley	340	80	120	90	190	230
Matanuska Valley	2,170	1,850	1,240	1,980	2,180	2,040
Kenai Peninsula	40	60	30	20	20	20
Southwest 2/	250	10	10	10	10	10
STATE TOTAL	2,800	2,000	1,400	2,100	2,400	2,300
VALUE (000) DOLLARS	1,204.0	660.0	840.0	2,016.0	2,256.0	2,161.0
			BEEF REPLACEMENT AND OTHER HEIFERS 3/			
Tanana Valley	10	10	20	140	130	210
Matanuska Valley	10	20	20	190	90	70
Kenai Peninsula	20	70	60	130	120	110
Southwest 2/	360	600	600	340	360	310
STATE TOTAL	400	700	700	800	700	700
VALUE (000) DOLLARS	74.0	148.0	273.0	429.0	373.0	434.0
			DAIRY REPLACEMENT HEIFERS 3/			
Tanana Valley	70	40	30	30	50	70
Matanuska Valley	470	340	470	570	750	630
Kenai Peninsula	20	20	-	-	-	-
Southwest 2/	40	-	-	-	-	-
STATE TOTAL	600	400	500	600	800	700
VALUE (000) DOLLARS	150.0	92.0	200.0	384.0	510.0	442.0

1/ Prior to January 1, 1978, definition was cows 2 years+ and older. 2/ Includes Southeast. 3/ Over 500 Pounds.

ALASKA CATTLE ON FARMS (JANUARY 1) - SELECTED YEARS

District	1961	1968	1978	1986	1987	1988
			STEERS 1/			
Tanana Valley	10	10	10	70	90	110
Matanuska Valley	30	50	40	110	70	90
Kenai Peninsula	10	50	30	60	30	70
Southwest 2/	550	590	420	160	110	130
STATE TOTAL	600	700	500	400	300	400
VALUE (000) DOLLARS	102.0	154.0	174.0	230.0	174.0	250.0
			BULLS 1/			
Tanana Valley	20	10	20	20	30	40
Matanuska Valley	50	50	40	50	30	40
Kenai Peninsula	20	30	30	30	30	30
Southwest 2/	110	210	910	900	1,010	990
STATE TOTAL	200	300	1,000	1,000	1,100	1,100
VALUE (000) DOLLARS	67.0	98.0	579.0	680.0	726.0	954.0
			CALVES 3/			
Tanana Valley	110	60	50	340	290	330
Matanuska Valley	540	440	410	630	560	720
Kenai Peninsula	70	130	180	210	220	110
Southwest 2/	580	1,370	1,160	620	630	640
STATE TOTAL	1,300	2,000	1,800	1,800	1,700	1,800
VALUE (000) DOLLARS	103.0	136.0	306.0	540.0	476.0	551.0
			ALL CATTLE			
Tanana Valley	590	220	310	1,110	1,180	1,390
Matanuska Valley	3,300	2,770	2,300	3,700	3,830	3,740
Kenai Peninsula	250	650	530	730	740	590
Southwest 2/	3,160	4,860	5,160	3,660	3,750	3,780
STATE TOTAL	7,300	8,500	8,300	9,200	9,500	9,500
VALUE (000) DOLLARS	2,029.0	1,828.0	3,320.0	5,704.0	5,890.0	6,460.0

1/ Over 500 Pounds. 2/ Includes Southeast. 3/ Under 500 pounds.

ALASKA CALF CROP - SELECTED YEARS

Year	Cows & Heifers That Have Calved January 1	Calving Percentage	Calf Crop	Year	Cows & Heifers That have Calved January 1	Calving Percentage	Calf Crop
1961	4,200	83	3,500	1985	4,600	85	3,900
1967	4,400	86	3,800	1986	4,900	82	4,000
1977	3,900	82	3,200	**1987**	**4,800**	**81**	**3,900**

ALASKA PIG CROP - SELECTED YEARS

Year	SPRING FARROWINGS Sows Farrowed	Pigs Per Litter	Pigs Saved	FALL FARROWINGS Sows Farrowed	Pigs Per Litter	Pigs Saved
1961	130	6.9	900	120	6.8	820
1967	140	5.7	800	190	5.8	1,100
1977	140	7.1	1,000	100	7.0	700
1985	250	8.0	2,000	200	8.5	1,700
1986	230	7.8	1,800	140	5.7	800
1987	**70**	**5.7**	**400**	**80**	**6.3**	**500**

ALASKA ALL HOGS (DECEMBER 1) - SELECTED YEARS

District	1961	1967	1977	1985	1986	**1987**
Tanana Valley	110	300	450	1,850	530	**200**
Matanuska Valley	770	840	470	310	380	**230**
Kenai Peninsula	60	20	30	110	70	**40**
Southeast 1/	60	40	50	30	20	**30**
STATE TOTAL	1,000	1,200	1,000	2,300	1,000	**500**
VALUE (000) DOLLARS	61.0	55.0	117.0	286.0	127.0	**81.0**

1/ Includes Southwest.

ALASKA SHEEP, LAMBS, WOOL AND MUTTON

ALASKA SHEEP AND LAMBS ON FARMS JANUARY 1, SELECTED YEARS

Year	EWES ONE YEAR PLUS State Total	EWES ONE YEAR PLUS Value (000 $)
1961	6,000	180.0
1968	11,000	330.0
1978	3,000	194.0
1986	1,500	135.0
1987	1,300	78.0
1988	**1,200**	**77.0**

Year	WETHERS AND RAMS ONE YEAR PLUS State Total	WETHERS AND RAMS ONE YEAR PLUS Value (000 $)
1961	5,000	125.0
1968	10,000	265.0
1978	2,200	120.0
1986	1,000	80.0
1987	700	52.0
1988	**700**	**53.0**

Year	ALL LAMBS State Total	ALL LAMBS Value (000 $)
1961	4,000	76.0
1968	6,000	150.0
1978	1,000	58.0
1986	500	43.0
1987	400	32.0
1988	**500**	**40.0**

Year	ALL SHEEP AND LAMBS State Total	ALL SHEEP AND LAMBS Value (000 $)
1961	15,000	381.0
1968	27,000	745.0
1978	6,200	372.0
1986	3,000	258.0
1987	2,400	162.0
1988	**2,400**	**170.0**

ALASKA LAMP CROP SELECTED YEARS

Year	Ewes one Year: Old and Over January 1	Lambing Percentage	Lambs Saved
1961	6,000	83	5,000
1967	10,000	70	7,000
1977	3,100	31	1,000
1985	1,500	47	700
1986	1,500	47	700
1987	**1,300**	**54**	**700**

ALASKA WOOL PRODUCTION SELECTED YEARS

Year	Pounds Dr. Wt.	$ Value
1960	125,000	50,000
1967	246,000	98,000
1977	44,000	33,000
1985	20,000	10,000
1986	20,000	13,000
1987	**17,000**	**13,000**

ALASKA LAMB AND MUTTON SELECTED YEARS

Year	PRODUCTION Pounds Dr. Wt.	PRODUCTION $ Value
1960	12,000	6,100
1967	40,000	17,000
1977	24,000	14,000
1985	34,800	17,000
1986	60,400	27,000
1987	**34,800**	**17,000**

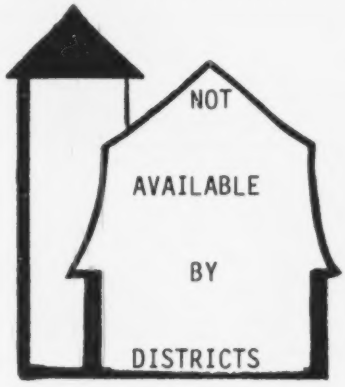
ALASKA MILK PRODUCTION BY MONTHS - 1977 AND 1987

Month	MILK COWS IN HERD 1/ 1977	MILK COWS IN HERD 1/ 1987	MILK PER COW 1977	MILK PER COW 1987	MILK PRODUCTION 1977	MILK PRODUCTION 1987
			--- Pounds ---		-- (000) Pounds --	
January	1,500	2,400	880	1,260	1,320	3,020
February	1,500	2,400	835	1,155	1,250	2,770
March	1,500	2,400	945	1,295	1,420	3,110
April	1,500	2,300	885	1,295	1,330	2,980
May	1,500	2,300	935	1,350	1,400	3,100
June	1,500	2,300	995	1,315	1,490	3,030
July	1,500	2,300	1,035	1,340	1,550	3,080
August	1,500	2,300	995	1,280	1,490	2,940
September	1,500	2,300	925	1,190	1,390	2,740
October	1,500	2,300	900	1,170	1,350	2,690
November	1,500	2,300	815	1,130	1,220	2,600
December	1,400	2,300	850	1,190	1,190	2,740
ANNUAL	1,500	2,300	10,993	15,130	16,400	34,800

1/ Includes all fresh and dry cows.

ALASKA MILK PRODUCTION AND VALUE - SELECTED YEARS

District	Year	PRODUCTION Pounds (000)	PRODUCTION $ Value (000)	$ VALUE Per Cwt.	PERCENT Milkfat
	1960	4,470	584		
	1967	1,360	161		
	1977	600	109		
Tanana Valley 1/	1985	1,500	286		
	1986	1,500	287		
	1987	**2,300**	**440**		
	1960	15,930	1,811		
	1967	16,840	1,770		
	1977	15,800	2,732		
Matanuska Valley	1985	20,700	4,106		
	1986	30,000	6,076		
	1987	**32,500**	**6,594**		
	1960	20,400	2,395	11.74	3.75
	1967	18,200	1,931	10.61	3.63
	1977	16,400	2,939	17.92	3.43
STATE TOTAL	1985	22,200	4,392	19.78	3.43
	1986	31,500	6,363	20.20	3.48
	1987	**34,800**	**7,034**	**20.21**	**3.42**



1/ Includes Kenai Peninsula.

ALASKA EGGS - SELECTED YEARS

District	Year	Av. Number of Layers	Production Dozen	Production $ Value	Sales (Dozen)
	1960		94,100	89,400	91,700
	1967		97,000	87,500	95,000
	1977	NOT	203,000	256,000	198,000
TANANA VALLEY	1985		15,000	20,000	12,000
	1986		17,000	24,000	14,000
	1987		**20,000**	**29,000**	**19,000**
	1960		215,100	187,200	210,300
	1967		552,000	423,700	550,000
	1977	AVAILABLE	310,000	359,000	301,000
MATANUSKA VALLEY	1985		470,000	530,000	460,000
	1986		550,000	660,000	544,000
	1987		**390,000**	**512,000**	**387,000**
	1960		143,500	124,800	140,600
	1967		98,000	79,000	96,000
	1977	BY	1,000	1,300	300
KENAI PENINSULA	1985		480,000	576,000	472,000
	1986		490,000	613,000	482,000
	1987		**130,000**	**175,000**	**127,000**
	1960		77,100	62,600	75,800
	1967		11,000	9,500	9,000
	1977	DISTRICTS	3,000	3,700	700
SOUTHEAST 1/	1985		10,000	15,000	6,000
	1986		10,000	15,000	6,000
	1987		**10,000**	**15,000**	**6,000**
	1960	NA	529,800	464,000	518,400
	1967	41,500	758,000	599,000	750,000
	1977	29,000	517,000	620,000	500,000
STATE TOTAL	1985	52,000	975,000	1,141,000	950,000
	1986	58,000	1,067,000	1,312,000	1,046,000
	1987	**31,000**	**550,000**	**731,000**	**539,000**

1/ Includes Southwest.

ALASKA POULTRY ON FARMS (DECEMBER 1) - SELECTED YEARS

District	1961	1967	1977	1985	1986	1987
			HENS AND PULLETS OF LAYING AGE			
Tanana Valley	5,000	4,700	8,500	1,100	900	1,000
Matanuska Valley	16,900	31,000	18,000	22,100	30,900	2,300
Kenai Peninsula	12,700	10,900	200	19,200	20,800	400
Southeast 1/	6,400	400	300	600	400	300
STATE TOTAL	41,000	47,000	27,000	43,000	53,000	4,000
VALUE (000) DOLLARS	96.0	105.0	122.0	215.0	266.0	20.0
			ALL CHICKENS			
Tanana Valley	5,000	5,400	8,800	1,700	2,200	1,800
Matanuska Valley	17,500	33,200	18,400	33,700	33,200	2,800
Kenai Peninsula	13,000	11,600	400	29,800	22,000	900
Southeast 1/	6,500	800	400	800	600	500
STATE TOTAL	42,000	51,000	28,000	66,000	58,000	6,000
VALUE (000) DOLLARS	97.0	107.0	125.0	290.0	281.0	25.0

ALASKA POULTRY PRODUCTION - SELECTED YEARS

District	1961	1967	1977	1985	1986	1987
			PRODUCTION - POUNDS			
Tanana Valley	7,600	13,600	53,500	21,000	16,000	18,000
Matanuska Valley	16,200	68,500	38,500	86,000	77,000	38,000
Kenai Peninsula	24,800	32,000	17,800	64,000	57,000	26,000
Southeast 1/	6,400	1,900	8,200	5,000	5,000	6,000
STATE TOTAL	55,000	116,000	118,000	176,000	155,000	88,000
			PRODUCTION VALUE DOLLARS			
Tanana Valley	4,300	4,000	17,800	20,000	14,000	13,000
Matanuska Valley	7,400	16,600	12,400	78,000	65,000	25,000
Kenai Peninsula	11,600	6,700	5,900	61,000	51,000	17,000
Southeast 1/	2,700	700	2,900	5,000	5,000	5,000
STATE TOTAL	26,000	28,000	39,000	164,000	135,000	60,000

1/ Includes Southwest.

ALASKA EGG PRODUCTION BY MONTHS - 1977 AND 1987

Month	HENS AND PULLETS 1977	HENS AND PULLETS 1987	EGGS PER LAYER 1977	EGGS PER LAYER 1987	EGG PRODUCTION 1977	EGG PRODUCTION 1987
					---- (000) ----	
December 1/	30,000	53,000	20.24	17.45	610.0	925.0
January	29,000	52,000	17.30	17.30	500.0	900.0
February	28,000	51,000	11.09	16.30	310.0	830.0
March	27,500	48,000	16.71	18.33	460.0	880.0
April	26,500	40,000	20.76	16.86	550.0	675.0
May	27,500	28,000	20.86	17.05	575.0	475.0
June	29,000	22,000	19.83	19.30	575.0	425.0
July	29,000	22,000	21.89	18.65	635.0	410.0
August	29,000	22,000	21.89	19.10	635.0	420.0
September	29,000	18,000	19.83	19.44	575.0	350.0
October	28,000	7,000	15.44	16.43	430.0	115.0
November	28,000	5,000	12.32	17.01	345.0	85.0

1/ December preceding year.

ALASKA REINDEER - SELECTED YEARS

REINDEER: Most reindeer are located on the Seward Peninsula and Nunivak and Umnak Islands. There are also village herds located on the Bering Sea islands. Revenue is mainly from sale of meat and by products.

ALASKA REINDEER NUMBERS 1/

	1977	1981	1985	1986	1987
Males	7,000	9,200	9,000	9,000	9,000
Females	13,000	15,800	14,000	14,000	14,000
TOTAL 2/	20,000	25,000	23,000	23,000	23,000

ALASKA REINDEER MEAT AND BY-PRODUCTS 1/

Year	MEAT PRODUCTION Pounds Dr. Wt.	MEAT PRODUCTION $ Value	MEAT SALES Pounds Dr. Wt.	MEAT SALES $ Value	OTHER SALES 3/ $ Value
1960	450,000	180,000	330,000	132,000	NA
1967	692,000	265,000	517,000	188,000	NA
1977	312,000	275,000	256,000	225,000	196,000
1985	148,000	244,000	128,000	224,000	262,000
1986	250,000	413,000	220,000	385,000	370,000
1987	320,000	544,000	260,000	482,000	374,000

1/ Based on information supplied by BIA, CES, and Native Corps. 2/ Includes bulls, steers, cows, and fawns. Deer on Atka Island not included. 3/ Antlers, hides and other by-products. NA - Not available.

Alaska
GROWN